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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter HEY, et al

Assignee: APPLIED MATERIALS, INC.

Title: METHOD AND APPARATUS TO OVERCOME ANOMALIES IN COPPER SEED  
LAYERS AND TO TUNE FOR FEATURE SIZE AND ASPECT RATIO

Serial No.: 09/853,962

Confirmation Number: 6593

Filed: 10MY2001

Group Art Unit: 1762

Attorney Docket No.: 004582

Examiner: Unknown

Santa Clara, California  
September 12, 2001

COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

Attention: Manager

Applications Division

RESPONSE TO NOTICE TO FILE MISSING PARTS  
OF APPLICATION - FILING DATE GRANTED

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on July 12, 2001, the following documents are enclosed to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by inventor Byung-Sung Leo Kwak in compliance with 37 CFR 1.63 (3 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account 50-1074;

- |  |                    |
|--|--------------------|
| 1. Filing Fee - Original Patent Application (37 CFR 1.16(a))   | -                  |
| 2. Fees for claims   |                    |
| ___ each independent claim in excess of 3 (37 CFR 1.16(f))   | -                  |
| ___ each claim in excess of 20 (37 CFR 1.16(c))  | -                  |
| ___ each multiple dependent claim (37 CFR 1.16(d))   | -                  |
| <u>X</u> Late Payment of filing fee or late filing of original<br>declaration or oath - (37 CFR 1.16(e)) | - \$ 130.00        |
| Total Completion Fees  | - <u>\$ 130.00</u> |

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

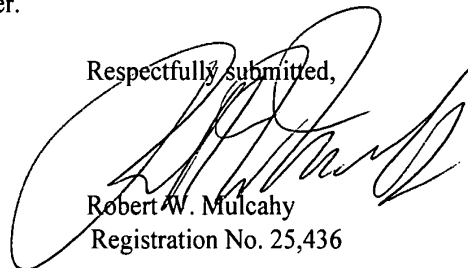
| Extension (Months)                    | Fee for other than Small Entity |
|---------------------------------------|---------------------------------|
| <input type="checkbox"/> One Month    | \$ 110.00                       |
| <input type="checkbox"/> Two Months   | \$ 390.00                       |
| <input type="checkbox"/> Three Months | \$ 890.00                       |
| <input type="checkbox"/> Four Months  | \$1,390.00                      |

If an additional extension of time is required please consider this a petition therefor.

4. The Commissioner is hereby authorized to charge \$130.00 and any additional fees which may be required, or credit any overpayment, to Deposit Account No.50-1074.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of May 10, 2001. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

Respectfully submitted,



Robert W. Mulcahy  
Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 9/12/01.

Signature:

  
Maureen Walstra



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER  |
|--------------------|---------------------|-----------------------|-------------------------|
| 09/853,962         | 05/10/2001          | Peter Hey             | AMAT/4582/ISM/COPPER/DV |

CONFIRMATION NO. 6593

FORMALITIES LETTER



\*OC000000006285978\*

PATENT COUNSEL  
APPLIED MATERIALS, INC.  
Legal Affairs Department  
P.O.Box 450A  
Santa Clara, CA 95052

REC'D JUL 16 2001

Date Mailed: 07/12/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:  
*Byung-Sung Leo Kwak*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

H.T.  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/20/2001 MWOLDER1 00000038 501074 09853962

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